

1.Component NAVY	FY 2005 MILITARY CONSTRUCTION PROGRAM		2.Date 13 JAN 2004	
3. Installation and Location/UIC: N00210 NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS		4. Project Title BATTLE STATIONS (INCREMENT II)		
5.Program Element 0805976N	6.Category Code 17135	7. Project Number P745A	8. Project Cost (\$000) 58,200	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BATTLE STATIONS (INCREMENT II) (192,233 SF)	m2	17,859		54510
BATTLE STATIONS BUILDING (154,085 SF)	m2	14,315	2,084.07	(29830)
PHOTO LABORATORY (12,529 SF)	m2	1,164	2,121.33	(2470)
RECRUIT TRAINING COMMAND ADMINISTRATION (13,326 SF)	m2	1,238	2,758.03	(3410)
RECRUIT DIVISION COMMANDERS SCHOOL (12,292 SF)	m2	1,142	2,136.17	(2440)
COMMUNICATION WIRING	LS			(290)
DAMAGE RESISTANT CONSTRUCTION	LS			(560)
SIMULATED OCEAN	LS			(300)
BUILT-IN EQUIPMENT	LS			(14020)
TECHNICAL OPERATING MANUALS	LS			(660)
ANTI-TERRORISM/FORCE PROTECTION	LS			(530)
SUPPORTING FACILITIES				7390
SPECIAL CONSTRUCTION FEATURES	LS			(2300)
ELECTRICAL UTILITIES	LS			(690)
MECHANICAL UTILITIES	LS			(1070)
PAVING AND SITE IMPROVEMENTS	LS			(2190)
DEMOLITION	LS			(1140)
SUBTOTAL				61900
CONTINGENCY (5%)				3100
TOTAL CONTRACT COST				65000
SIOH (6%)				3900
SUBTOTAL				68900
DESIGN/BUILD - DESIGN COST				2490
LESS INCREMENT I	LS			-13200
TOTAL REQUEST ROUNDED				58190
TOTAL REQUEST				58200
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(16500)
10. Description of Proposed Construction				
Construct a multi-story concrete/steel framed building with metal roof, heating, air conditioning of the administrative and support spaces, ventilation of the event spaces, fire protection, telephone, entrance canopy, mechanical and electrical utilities, emergency generator, technical operating manuals, parking, recruit pedestrian concourse, loading dock, and site improvements. The facility will contain battle station events that include a simulated ocean, ship mockups, pier mockups, briefing and debriefing rooms, observation mezzanines, and a fire-fighting simulator. To enhance realism, various technologies and ship-board simulations will be used in the events including heated pipes and bulkheads, real and simulated fire, broken water and steam pipes,				

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<p>flooding compartments, damaged compartments, fog, strong winds, rain, sound effects, simulated scents, and three dimensional (3-D) video projections. The existing Battle Stations/Photography Laboratory, building 1312 (4,762 m2) and existing Recruit Training Center (RTC) Administration building 1127 (12,953 m2) will be demolished. A new Photography Laboratory will be constructed as an addition to the Navy Exchange, Building 1326. RTC Administration and the Recruit Division Commanders School will be relocated from building 1127 to the new Battle Stations building. Built-in equipment includes mockups of ship decks, compartments, piers, and ocean space; ship's hatches, bits, bollards, winches, ladders; emergency generator, 3-D projection booths, ship's fire water system, propane tanks and piping, wave making machines, moving platforms, ventilators for firefighting equipment, and other equipment needed to simulate shipboard conditions. Special construction features include recessed, thickened, and isolated slabs for equipment and larger foundations for ship mockup structures. Anti-terrorism/Force Protection features will be included. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.</p>				
<p>11. Requirement: <u>17859m2</u> Adequate: <u>0m2</u> Substandard: <u>0m2</u></p> <p>PROJECT: Provides a facility, containing physically and mentally challenging events, that acts as a final test of a recruit's endurance, teamwork, basic skills and Navy core values. (Current Mission)</p> <p>REQUIREMENT: Adequate facilities are required to conduct a performance test of four recruit divisions (88 recruits per division plus up to six per division repeating) at one time in a challenging and stress-filled environment simulating various ship-board emergencies. Provide an immersive Battle Stations training experience with "reality-based" Navy scenarios that offer a more effective, comprehensive, and experience based/embedded training environment for new recruits. Transform existing disparate events into a story-rich, experiential environment. This training environment triggers the brain to store spatial experience and emotional reactions along with the "facts." This project provides the Navy with a state-of-the-art, highly effective training facility that can provide sailors with enhanced levels of fleet readiness. The RTC training regiment requires each recruit to satisfactorily complete Battle Stations prior to graduating. Recruits are tested on teamwork, physical endurance, seamanship skills, problem-solving skills, basic safety, and core values during the seventh week of an eight week recruit training cycle. RTC Great Lakes, the Navy's only recruit training base, trains approximately 50,000 to 56,000 recruits per year with a maximum of 16,168 recruits present at any given time</p>				

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during the peak period of May through October each year.

CURRENT SITUATION:
The main Battle Stations Building #1312 was constructed in 1942 as a semi-permanent building and does not have the capability to incorporate new technology to enhance realism. It also does not meet current fire and safety codes. Battle Stations events are conducted in several facilities located in different areas of the base. Recruits run from event to event on concrete or asphalt surfaces in all types of weather resulting in increased injuries. Most of the training event mock-ups were constructed by self-help and lack adequate realism. The existing Battle Stations training is not immersive and realistic enough to cause the trainee to "suspend their disbelief" in order for the learning to transfer and be embedded as a real world experience.

Recruit classrooms are being decentralized to the new recruit barracks being constructed at RTC. When this occurs, approximately half of Building 1127 will be unoccupied. Consolidation of RTC Administration and the Recruit Division Commander (RDC) School into the new Battle Stations building will allow Building 1127 to be demolished.

IMPACT IF NOT PROVIDED:
Without this project, RTC Great Lakes will not be able to maximize the training potential that is available through immersive, "reality-based," experiential learning. Training results will continue to be constrained by the limitations of a loosely connected series of events that take place in several facilities around the base. The training experience will continue to be disrupted and interrupted by the transit from one building to another in all kinds of weather. Sailors will not be as confident and ready to serve the Fleet as they could be.

12. Supplemental Data:
A. Estimated Design Data:
1. Status:
(A) Date Design Start 062002
(B) Date Design 35% Complete 122003
(C) Date Design Completed 062004
(D) Percent Completed as of SEPTEMBER 2003 30%
(E) Percent Completed as of JANUARY 2004 35%
(F) Type of Design Contract Design Build
(G) Parametric Estimate used to develop cost Yes
(H) Energy study/Life cycle analysis performed Yes
2. Basis:

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<p>(A) Standard or Definitive Design: No</p> <p>(B) Where Design Was Most Recently Used: N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$2,650</p> <p>(A) Production of Plans and Specifications \$2,100</p> <p>(B) All other Design Costs \$550</p> <p>(C) Total \$2,650</p> <p>(D) Contract \$2,100</p> <p>(E) In-House \$550</p> <p>4. Contract Award 022004</p> <p>5. Construction Start 032004</p> <p>6. Construction Complete 122006</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1"> <thead> <tr> <th><u>Equipment</u> <u>Nomenclature</u></th> <th><u>Procuring</u> <u>Appropriation</u></th> <th><u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u></th> <th><u>Cost</u> <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Scenario equipment</td> <td>OPN</td> <td>2005</td> <td>16,500</td> </tr> </tbody> </table> <p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.</p> <p>Activity POC: LDCR Michaela Bradley Phone No: 847-688-4211</p>				<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>	Scenario equipment	OPN	2005	16,500
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